KYL-GPS Vehicle Tracker
User Manual

Preface

Thank you for choosing our products! This deliberately edited manual is to introduce this device with complete technical data sheet and the instructions concerning how to operate it. Please make sure to read this construction carefully before using the product. Many problems could be solved through the explanations and the troubleshooting tips. So when you finish reading, please also keep it handy for necessary reference. Specification and information in this manual may subject to changes without prior notice. Any change will be integrated in the latest release. The manufacturer assumes no responsibility for any errors or omissions in this document.

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Attentions

1. Make sure to read this manual carefully before using the product.
2. Please insert a SIM card before installing, and make sure the SIM card has no password, otherwise the tracker will not work normally.
3. Please make sure that all the cables of the tracker have been connected accurately, and then connect the tracker to host power. Must not install or take down the tracker when it is power on. If you had any troubles or omissions about the connections of cables, please cut off power first, otherwise you will easily damage the tracker.
4. The tracker works in wireless communications. So please cut off the host power before your vehicles entering fuel depot or dangerous place.
5. The tracker's working voltage is 10V-36V. Please use within its working voltage.
6. The host of GPS tracker is a low-power wireless transmitter and receiver. It receives and sends radio frequency signal when it is working.
7. To avoid electromagnetic interference or uncompatible configuration, please stop using your tracker in some noticed place.

GPS Vehicle Tracker

◆Hardware Description

1. Host Tracker

2. Start up

The indicator of the tracker can turn to red and blue. Insert SIM card and install the tracker in a car. Then red indicator will be on. In 10 seconds, the device begins to work and search the GSM/CDMA signals as well as the GPS signals. When it is communicating, red indicator blinks fast. Blue indicator keeps flashing every 2 seconds when the GPS module is in standby mode. When blue indicator is not lighting, the GPS module is working but hasn't fixed position. After its position fixed, the blue indicator is lighting.

◆Main functions

1. Positioning and Tracking: Through on-line Positioning Platform or cell phone to track a car and to know its status at any time. You can choose Positioning Platform by yourself.

2. Triggering Emergency Alarm: When emergency happened, you can push a button and send out alarm signal to the authorized number.

3. Remote control: You can control the oil and circuit of a car via this device by SMS.

4. Remote Monitoring: Anytime when you call the phone number in this tracker, you can monitor the sound around it in 5 meters range.

5. Movement Alert: Activating this function by SMS to the device. So when the vehicle is moving, the tracker will send movement alert to all authorized numbers.
6. Over-speed Alert: Activating this function by SMS to the device. So when the vehicle is over-speed, the device will send over-speed alert to all authorized numbers.
7. Geo-fence: Activating this function by SMS to the device. You can set up a Geo-fence for the vehicle to restrict its movement within a district. The device will send message to all authorized numbers when it breaches the district.
8. Restart the device: You can restart the vehicle by SMS.
9. Auto Track: You can activate auto track by SMS or on-line positioning platform.
10. Mileage statistics; ACC checking; power off alarm.
11. Compatible with the original anti-theft alarm: This tracker will send SMS to the vehicle owner when the original anti-theft alarm warning.

* Modify IP and the Port of Communication Protocol for different on-line positioning platform

Press this small button with a ball-point pen or something small and sharp. Then the SIM card will come out.
Earphone jack.
Put in the SIM card.
Connect GSM wire here.
Connect GPS wire here.
GPS
GSM
This indicator can turn red or blue.

◆How to set up

1. Set administrator

Send SMS **"setadmin 123456"** to the device, it will regard you as the administrator. Delete this administrator number from your administrator cell phone. It will be back to no administrator.

2. Add a number

If there is an administrator, only the administrator can add number to the device. Send SMS **"admin123456 13612345678".** "admin" as instruction, "123456" as password, "13612345678" as added number.

3. Delete a number

If there is an administrator, the administrator can delete number to the device. Send SMS **"noadmin123456 13612345678".** "noadmin" as instruction, "123456" as password, "13612345678" as deleted number.

If the administrator deletes his own number, the tracker is back to no administrator, and the record numbers was deleted automatically.

4. Change Password

Send SMS: **"password + old password + space + new password"** to change the password. For example: Send SMS "Password123456 168168". "password" as instructions, "123456"as old password, "168168" as new password. Password must be six digits. Tracker's initial password is 123456. If there is no administrator number, all number can change the password. If there is already an administrator number, only the authorized number can change the password.

5. Control Oil

SMS **"stopoil+password"** to control oil.

For example send SMS: stopoil123456

"stopoil" as instructions, "123456"as password.

To supply the oil again, send SMS **"supplyoil+password"** to the device.

For example, send SMS "Supplyoil123456" to the tracker. "Supplyoil" as instruction, "123456" as the password.

6. Control Circuit

Send SMS **"stopelec+password"** to control circuit.

For example send SMS: **"**stopelec123456".

"stopelec" as instructions, "123456" as the password.

To supply the circuit again, send SMS **"supplyelec+password"** to the device.

For example, send SMS "Supplyelec123456" to the tracker. "Supplyelec" as instruction, "123456" as password.

7. Monitor mode

There are three modes for monitor.

1) All Monitor Mode: Send SMS "AllMonitor" to the device. It will enter to all monitor mode. In this mode, any number can monitor the device.

2) Restrict Monitor Mode: Send SMS "RestrictMonitor" to the device. It will enter to restrict mode. In this mode, authorized number can monitor this device.

3) Close Monitor Mode: Send SMS "CloseMonitor" to the device. It will enter to close monitor mode. In this mode, all number cann't monitor this device.

8. Movement alert

Set up: The user can send SMS **"Move + password"** to this device. then it will reply **"**move ok!" .In case of such a movement, it will send SMS "Move" along with a Geo-info.

For example, send SMS "Move123456" to the device. "Move" as instructions, "123456"as password.

Cancel: Send SMS "nomove+password" to deactivate the movement alert.

9. Overspeed alert

Set up: Send SMS **"speed+password+space+080"** to the device (so the speed is 80km/h).

For example, send SMS "speed123456 080". "Speed" as instructions, "80" as limit speed, and "123456" as password.

Cancel: Send SMS "nospeed+password" to deactivate the overspeed alert.

10. Cell phone positoning

Send SMS "**position"** to the device, then the device will send SMS with real-time longitude and latitude to your cell phone.

11. Tracking with a online positioning platform

Add a number on the online positioning platform for tracking. Adding to the special platform, send SMS "**number+tracker number"** to the tracker.

For example "number13632782450".

12. Restart the tracker.

Send SMS **"reboot+password"** to the tracker. For example " reboot123456". The tracker will be restarted.

13. Auto track

Report a Geo-info at 30 seconds intervals to the online position platform for 5 times: Send SMS "**at30sum5"** to the device. The max intervals is 65535 seconds. You can send **"at30sum0"** for heaps of times to platform.

Send " **noat123456**" to the tracker, the tracker will stop transmitting the data to the platform.

If the platform supports this function, this can be operated on the platform straightly.

14. Resume the initial password

If you foget your password, you can resume the initial password 123456.

Send "**resumepassword**" to the tracker, the tracker will resume the initial password. If there is no administrator number, all number can resume initial password. If there is already an administrator number, only the administrator number can resume initial password.

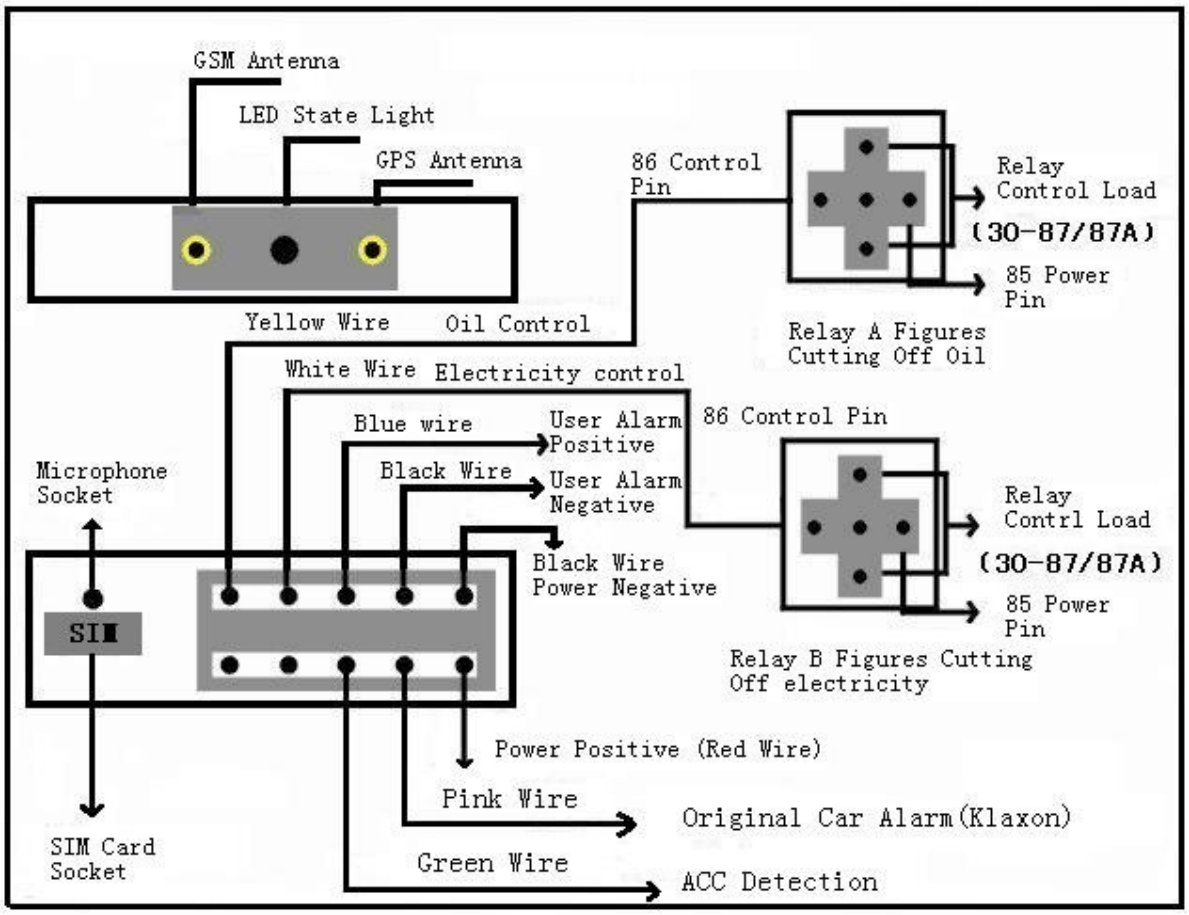
15. Modify IP address and port

The IP address and the ports of a tracker can be modified to transfer data to other platform. Send SMS "**IP + ip address + port + port value"** to the device. If the platform's IP address and port is 123.67.87.9 and 344, send SMS "ip 123.67.87.9port344" to the tracker.

16. Set APN

In order to send GPS data to IP address, you still must set mobile network Access Point Name (APN). If you don't know the APN, you can consult local network service supplier. The format of set APN is **"apn + password +space + APN"**. For example you send SMS "apn123456 cmnet" to the device. The device will reply SMS "Set APN ok."

◆Installation diagram of The Tracker

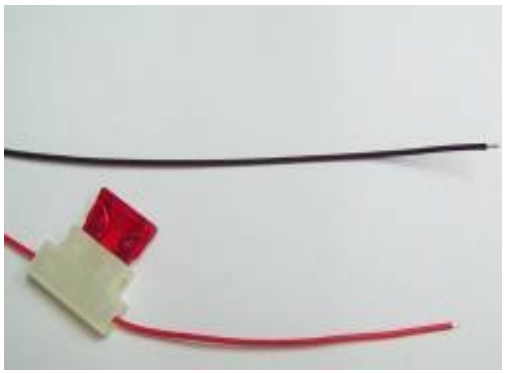


GPS Vehicle Tracker Installation Diagram

GPS518 tracker should be installed by technical professional of a local service centre. Without permission, the user cann't repair and move the tracker by your own. Otherwise, any unfortunately damage should be compensated by oneself.

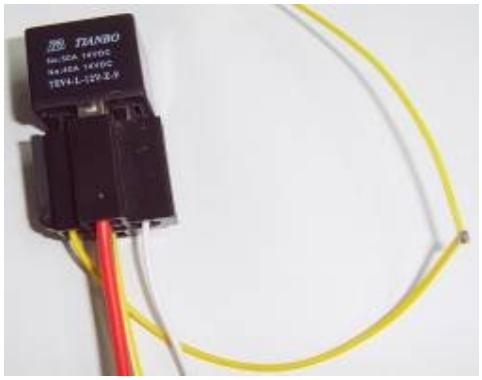
Installation steps (caution: the following installation should under no power. if not, the condition will be dangerous)

1.Power supply line: The red wire connects 12V " +";Black wire connects to 12V " -"



2. Wire for cutting off oil of the tracker

Yellow wire connects to the relay pin 86; 85 pin connect to 12 V DC, 87 pin and 30 pin in series power supply circuits. Caution: Wrong connection of yellow wire will damage the tracker.

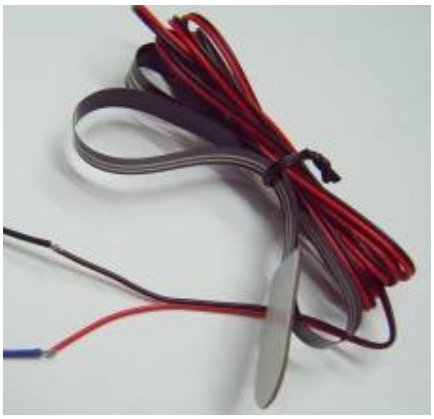


3. Wire for cutting off circuit of the tracker

White wire connects to relay pin 86; 85 pin to 12 V DC, 87 pin and 30 pin are in series power supply circuits. Caution: Wrong connection of white wire will damage the tracker.

4. Emergency triggering alarm

The blue wire connects to the positive of the alarm button, and the black wire connects to the negative of the alarm button.



◆Application

1. Global positioning
2. Real-time monitoring
3. Vehicle locating
4. Timing tracking
5. Cutting off power and circuit by remote control
6. Vehicle rental / Fleet management etc

◆Specs.

Content	Specifications.
Dim.	87 * 57 * 25 (mm)
Weight	0.459kg
Network	GSM/GPRS
Band	900/1800/1900MHz or 850/900/1800/1900MHz
GPS chip	SiRF III chip
GPS sensitivity	-159dBm
GPS accuracy	5 m
Time To First Fix	Reacquisition 0.1s Cold status 45s Warm status 35s Hot status 1s
Work Voltage	DC 9V－30V

Battery	Chargeable changeable 3.7V / 1.2Ah Li-ion battery
Standby work current	< 30mA
Storage Temp.	-40°C to +85°C
Operation Temp.	-20°C to +70°C
Humidity	5%--95% non-condensing

Please preserve this card for free repair

Guarantee

User File

User name		Sex		Age	
Address					
Telephone				Zip	
Purchasing address					
Retail price			Odd Numbers		
Commodity name and specification			Model No.		
Dealer signature			User Signature		

Guarantee Item

1.2 months upon date of purchase, if there is function problem, we should offer the same item subject to goods and packing maintain perfect.

2.1 year upon date of purchase, we will guarantee to keep the goods in repair. (Not including fittings)

3. Guarantee service is subject to normally using.

4. All damage by man-made (tear open the housing, tear off the sticker, abnormally using), or losing this card, will not guarantee.